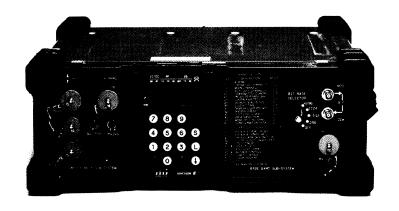
# AN/GRC-224



SYSTEM IDENTIFIERS								
NOMENCLATURE:	Down-The-Hill Radio (DTH)							
SSN:	W299000GCH							
LIN:	R30963							
NSN:	5820-01-250-6254							
AMIM NO:	N/A							
EIC:	НВТ							
FUEL TYPE:								

## **SYSTEM DESCRIPTION**

The AN/GRC-224 is a component of the Mobile Subscriber Equipment (MSE) communications network. The MSE is composed of a shelter-mounted control unit an antenna-mounted super frequency RF unit. To reduce the electronic signature of command posts, the AN/GRC-224 can be used to separate the AN/TRC-190 Line-Of-Sight radio from its AN/TRC-48 Small Extension Node Switch or AN/TRC-46 Large Extension Node Switch. improves command post survivability and minimizes the possibility of an enemy attack on the Line-Of-Sight radio links. capable of providing high-capacity wireless linkages out to eight kilometers. DTH radios may also be used to provide communications in rough terrain where cabling is impractical.

	Inere	are	no	separately	autnorized	components	associated	with	tnis	weapon/materiei
syste	em.									

## AN/GRC-224

LIN NSN NOMENCLATURE

This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

# AN/GRC-224 FY 94 TOTAL ARMY COST SUMMARY (FY 94 Constant Dollars)

1,884

#### **DENSITY**

NUMBER OF SYSTEMS

## **DEPOT END ITEM MAINTENANCE (5.061)**

TOTAL \$0
QUANTITY COMPLETED 0
AVG COST/END ITEM \$0.00

#### CLASS III-POL (5.05)

#### **NOT APPLICABLE**

#### DEPOT SECONDARY ITEM MAINTENANCE

TOTAL \$0
QUANTITY COMPLETED 0
AVG COST/SECONDARY ITEM \$0.00

#### **CLASS V-AMMUNITION (2.11)**

#### **NOT APPLICABLE**

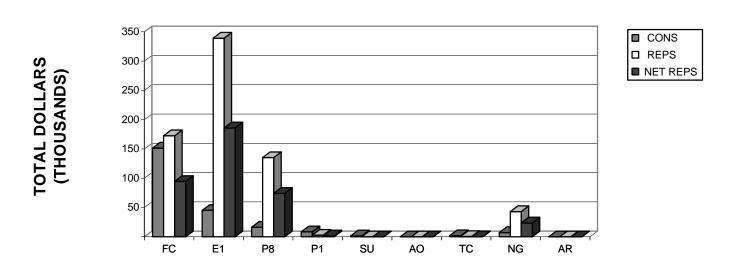
INTERMEDIATE MAINTENANCE							
	DS/GS	CIVILIAN					
MIL/CIV LABOR COST	\$7,176	\$0					
AVG COST/SYSTEM	\$3.81	\$0.00					
MAINTENANCE MANHOURS MMHs/SYSTEM	432 0.23	0 0.00					

#### CLASS IX MATERIEL-PARTS (5.04/5.03)

	FY 94	AVG COST
	<u>DOLLARS</u>	PER SYSTEM
CONSUMABLES	\$232,204	\$123.25
NET REPARABLES	\$380,080	\$201.74
NET TOTAL COSTS	\$612,284	\$324.99

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparables, (REPS), and net reparables (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

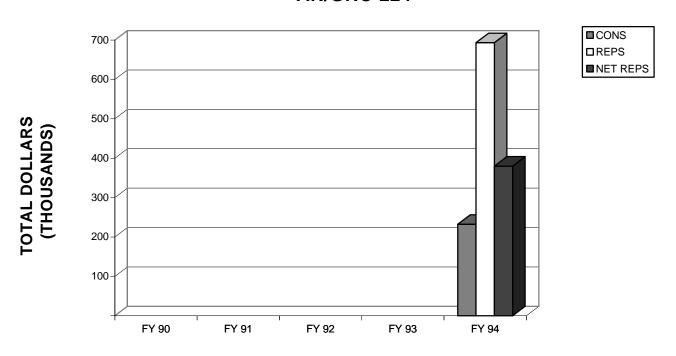
## AN/GRC-224



	AN/GRC-224										
		FY 9	94 MACOM	CLASS IX	COSTS						
	MACOM NET NET TOTAL NUMBER OF AVG PER										
CODE	NAME	CONS	REPS	REPS	COSTS	SYSTEMS	SYSTEM				
FC	FORSCOM	151,473	172,617	94,595	246,068	640	384				
E1	USAREUR	45,173	339,171	185,867	231,040	403	573				
P8	EUSA	16,358	135,291	74,140	90,498	52	1,740				
P1	USARPAC	8,516	2,769	1,518	10,034	52	193				
SU	USARSO	1,546	0	0	1,546	16	97				
AO	USASOC	0	0	0	0	0	0				
TC	TRADOC	1,919	654	358	2,277	34	67				
NG	ARNG	7,219	43,069	23,602	30,821	687	45				
AR	USAR	0	0	0	0	0	0				
TA	TOTAL ARMY	232,204	693,571	380,080	612,284	1,884	325				

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparables (REPS) and net reparables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that fiscal year.

## AN/GRC-224



	AN/GRC-224 FIVE YEAR TOTAL ARMY CLASS IX COSTS										
FISCAL			NET	NET	NUMBER OF	AVG PER					
YEAR	CONS	REPS	REPS	TOTAL COSTS	SYSTEMS	SYSTEM					
FY 90											
FY 91											
FY 92											
FY 93											
FY 94	232,204	693,571	380,080	612,284	1,884	325					

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

	AN/GRC-224 FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS									
	NET NET NUM OF AVG									
WBS	NAME	CONS	REPS	REPS	TOTAL COSTS	SYSTEMS	SYSTEM			
01	SENSORS	0	0	0	0	0	0			
02	PROCESSING (ADPE)	0	17,910	9,815	9,815	1,884	5			
03	COMMUNICATIONS	181,530	534,527	292,922	474,452	1,884	252			
04	PERIPHERALS	0	0	0	0	0	0			
05	ENVIRON SUPPORT	8,306	138,059	75,657	83,963	1,884	45			
06	APPLICATIONS SFT	0	0	0	0	0	0			
07	SYSTEM SOFTWARE	0	0	0	0	0	0			
08	INT, ASSY, TEST, C/O	0	0	0	0	0	0			
09	OTHER	42,368	3,075	1,686	44,054	1,884	23			
	TOTAL	232,204	693,571	380,080	612,284	1,884	325			

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

	AN/GRC-224 FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS									
		FY 90	FY 91	FY 92	FY 93	FY 94				
		NET TOTAL								
WBS	NAME	COSTS	COSTS	COSTS	COSTS	COSTS				
01	SENSORS					0				
02	PROCESSING (ADPE)					9,815				
03	COMMUNICATIONS					474,452				
04	PERIPHERALS					0				
05	ENVIRON SUPPORT					83,963				
06	APPLICATIONS					0				
07	SYSTEM SOFTWARE					0				
80	INT, ASSY, TEST, C/O					0				
09	OTHER					44,054				
	TOTAL					612,284				
	NUM OF SYSTEMS					1,884				
	AVG PER SYSTEM					325				

AN/GRC-224 TOP 40 COST DRIVERS CLASS IX CONSUMABLES (NON-DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	5995012586179	CABLE ASSEMBLY	03E	F		G21R4	12,355.00	5.00
2.	5985012549561	WINDER STAY ASSY	03J	Z		G22RW	140.00	289.91
3.	5985012549560	WINDER STAY ASSY	03J	Z		G22RW	100.00	295.39
4.	5985012642764	SUPPORT,ANTENNA	03C	Z		G22RW	40.05	576.65
5.	5995012981384	CABLE ASSEMBLY, POWE	03J	F		Q2200	4,416.00	2.94
6.	5120013433326	STRETCHER,WIRE	09	Z		G24RW	18.78	668.77
7.	8105013075454	BAG	09	Z		G22RW	409.00	21.95
8.	3040012580994	LEVER,TURNING	05G	Z		G22RW	76.57	102.12
9.	5985012968144	BASE,MAST	03C	Z		G22RW	3,612.00	1.86
10.	4030012663017	STAKE,GUY	09	Z		G22RW	40.69	88.28
11.	6625012876471	ALIGNMENT METER CAB	09	F		G21RW	359.00	9.53
12.	8105013075453	BAG	09	Z		G22RW	509.00	6.00
13.	5340012705083	CAP,MASTHEAD	03J	Z		G22RW	90.00	32.89
14.	4020012604909	ROPE,FIBROUS	09	Z		G22RW	111.00	22.74
15.	4020013416986	ROPE,FIBROUS	09	Z		G24RW	2,038.00	1.16
16.	6625012876470	ALIGNMENT METER	09	Z		G22RW	291.00	4.42
17.	5985013267685	BASE,ANTENNA SUPPOR	03C	Z		G22RW	81.28	14.64
18.	4030001875263	STAKE,GUY	09	Z		J2200	3.28	347.46
19.	4020012604910	ROPE,FIBROUS	09	Z		G22RW	127.00	8.07
20.	5985013151362	MAST SECTION	03C	Z		G22RW	1,510.00	0.63
21.	5315013081055	PIN,SPLIT	09	Z		T2200	19.90	39.31
22.	4010013188001	CHAIN LINK	09	Z		J2200	20.89	34.42
23.	5985012642765	BASE,ANTENNA SUPPOR	03C	Z		G22RW	81.28	6.92
24.	5340013417170	SNAP HOOK	09	Z		T2200	12.05	41.94
25.	3020013075455	PULLEY	05G	Z		J2200	19.55	24.13
26.	5995012695544	CABLE ASSEMBLY,RADI	03J	Z		G22RW	42.25	11.00
27.	5985013079486	MAST SECTION	03C	Z		Q2200	283.62	1.24
28.	4030013333673	PROTECTOR,GUY	09	Z		J2200	269.72	1.01
29.	5985013081063	LOCK,MAST	03C	Z		Q2200	30.80	7.01
30.	5935013075457	PLUG	03J	Z		Q2200	1.92	51.83
31.	5305013044447	SCREW,MACHINE	09	Z		T2200	10.40	5.00
32.	5310013075443	NUT	09	Z		T2200	24.65	1.58
33.	5935011004828	CONNECTOR, PLUG, ELEC	03J	Z		Q2200	24.05	1.00
34.	4020012604908	ROPE,FIBROUS	09	Z		J2200	1.19	13.45
35.	3040013092831	SHAFT,STRAIGHT	05G	Z		J2200	1.04	15.22
36.	5340013417169	SNAP HOOK	09	Z		T2200	16.72	0.97
37.	5340013417171	SNAP HOOK	09	Z		T2200	16.72	0.92
38.	5920011203823	FUSE,CARTRIDGE	03J	Z		Q2200	0.41	15.14
39.	5640013075480	INSULATION SLEEVING	09	Z		G22RW	15.13	0.33
40.	5985013081064	YOKE,PULLEY	03C	Z		Q2200	1.37	3.52

NUMBER OF SYSTEMS 1,884

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

# AN/GRC-224 CONSUMABLES (NON-DLRs)

_	AVERAGE COS	ST	AVERAGE QUANTITY	FIVE	FY 90-94 YEAR AVERAGE
EXTENDED COST	PER		PER		
(QTY * UNIT PRICE)	SYSTEM		100 SYSTEMS	QTY	EXTENDED COST
61,775	32.79		0.2654		
40,586	21.54		15.3880		
29,539	15.68		15.6789		
23,095	12.26		30.6077		
12,983	6.89		0.1561		
12,560	6.67		35.4973		
8,978	4.77		1.1651		
7,819	4.15		5.4204		
6,718	3.57		0.0987		
3,592	1.91		4.6858		
3,421	1.82		0.5058		
3,054	1.62		0.3185		
2,959	1.57		1.7458		
2,524	1.34		1.2070		
2,364	1.25		0.0616		
1,286	0.68		0.2346		
1,190	0.63		0.7771		
1,139	0.60		18.4427		
1,024	0.54		0.4283		
951	0.50		0.0334		
783	0.42		2.0865		
763 720	0.42		1.8270		
563	0.30		0.3673		
506	0.30		2.2261		
471	0.27		1.2808		
465	0.25				
			0.5839		
352	0.19		0.0658		
272	0.14		0.0536		
216	0.11		0.3721		
99	0.05		2.7511		
52	0.03		0.2654		
39	0.02		0.0839		
24	0.01		0.0531		
17	0.01		0.7139		
16	0.01		0.8079		
16	0.01		0.0515		
15	0.01		0.0488		
6	0.00		0.8036		
5	0.00		0.0175		
5	0.00		0.1868		
232,199	100.0%	TOP 40			
5	0.0%	OTHERS			
========	0.070	512.1.0			
232,204					

# AN/GRC-224 COST DRIVERS CLASS IX REPARABLES (DLRs)

							FY 94 AMDF UNIT PRICE		FY 94
	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	W/O CREDIT	W/CREDIT	QTY
1.	5985013410899	MICROWAVE UNIT	03J	D	R	G24RW	27,910.00	15,294.68	7.00
2.	5985013410900	MICROWAVE UNIT	03J	D	R	G24RW	27,910.00	15,294.68	5.00
3.	6130012586199	POWER SUPPLY SUBA	05A	D	D	G21RW	11,478.00	6,289.94	11.00
4.	5999012587658	ROTATOR, SINGLE, SR1	03J	D	D	G21RW	3,483.00	1,908.68	11.99
5.	5999012587659	TILTER	03J	D		G21RW	3,367.00	1,845.12	10.00
6.	5895012873959	BASEBAND SUBSYSTE	03J	D	D	G23RW	15,609.00	8,553.73	2.00
7.	5820013185819	RECEIVER-TRANSMIT	03E	D	D	G24RW	41,459.00	22,719.53	0.59
8.	5985012610397	WINDER, DOUBLE	03J	D	D	G21RW	1,686.00	923.93	11.96
9.	5820013185817	RECEIVER-TRANSMIT	03E	D	D	G23RW	45,893.00	25,149.36	0.43
10.	7021013358342	COMPUTER, DIGITAL	02A	D	D	G24RW	1,990.00	1,090.52	9.00
11.	5985012549557	WINCH	05G	D	Е	G21RW	457.00	250.44	25.82
12.	5999012649110	LINE INTERFACE UNIT	03J	D		G21RW	2,152.00	1,179.30	4.00
13.	5999012587653	DC CONVERTER ASSY	03J	D	D	G21RW	3,077.00	1,686.20	2.00
14.	5999012586182	INTERFACE UNIT ASS'	03J	D		G21RW	5,925.00	3,246.90	1.00
15.	5999012650684	EOW INTERFACE UNIT	03J	D		G21RW	2,855.00	1,564.54	2.00
16.	6625012649111	CONTROL,LIGHT SOU	09	D		G21RW	1,025.00	561.70	3.00
17.	5985012587660	MAST SECTION 1	03C	D		G21RW	2,270.00	1,243.96	0.97

NUMBER OF SYSTEMS

1,884

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

# AN/GRC-224 REPARABLES (DLRs)

QTY	EXTENDED COST
QTY	
	(W/CREDIT)
	QIY

380,080 100.0% COST DRIVERS
0 0.0% OTHERS
380,080

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

AN/GRC-224 FY 94 DEPOT MAINTENANCE COSTS									
COST		END I	TEM			SECONDARY	' ITEM		
ELEMENTS		MAINTEN	NANCE			MAINTENAI	NCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER		
CIVILIAN LABOR	0	0	0	0	0	0		0	
MILITARY LABOR	0	0	0	0	0	0		0	
MATERIEL	0	0	0	0	0	0		0	
TRANSPORTATION	0	0	0	0					
OVERHEAD	0	0	0	0	0	0		0	
CONTRACT	0	0	0	0	0	0		0	
OTHER	0	0	0	0	0	0		0	
TOTAL	0	0	0	0	0	0		0	
QTY COMPLETED	0	0	0	0	0	0		0	
AVG COST	0	0	0	0	0	0		0	

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate (\$16.61). CIVILIAN LABOR COSTS are a summation from the source data.

AN/GRC-224								
FY 94 INTERMEDIATE MAINTENANCE COSTS								
	DS/GS LABOR	DS/GS	CIVILIAN	CIVILIAN	CIVILIAN LABOR			
MACOM	HOURS	LABOR COSTS	LABOR HOURS*	LABOR COSTS <sup>*</sup>	COST/HOUR			
FORSCOM	186	3,089	0	0	0.00			
USAREUR	24	399						
EUSA	151	2,508						
USARPAC	0	0						
USARSO	45	747						
USASOC	0	0						
TRADOC	0	0	0	0	0.00			
ARNG	26	432						
USAR	0	0						
TOTAL ARMY	432	7,176	0	0	0.00			

<sup>\*</sup>TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/GRC-224 FIVE YEAR DEPOT MAINTENANCE COSTS										
COST ELEMENTS							ONDARY I AINTENAN			
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR					0					0
MILITARY LABOR					0					0
MATERIEL					0					0
TRANSPORTATION					0					
OVERHEAD					0					0
CONTRACT					0					0
OTHER					0					0
TOTAL					0					0
QTY COMPLETED					0					0
AVG COST					0					0

The table below sumarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/GRC-224 FIVE YEAR INTERMEDIATE MAINTENANCE COSTS										
	DIRECT/GENERAL SUPPORT						CIVILIAN			
	INT	ERMEDIAT		IANCE (DS	/GS)		MAIN	ITENANCE	(CIV)	
MACOM	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM					3,089					0
USAREUR					399					
EUSA					2,508					
USARPAC					0					
USARSO					747					
USASOC					0					
TRADOC					0					0
ARNG					432					
USAR					0					
TOTAL ARMY					7,176					0
LABOR HRS					432					0
COST PER HR					16.61					0.00

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

AN/GRC-224 FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS								
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL			
	N	O DATA AVAI	LABLE					

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

FY 94	AN/GRC-224 FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS							
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REPAIR	FY 94 QTY COMPLETED	AVG COST TO REPAIR			
	N	O DATA AVAI	LABLE					

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90-94 QTY COMPLETED.

AN/GRC-224 FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS								
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL			
	N	O DATA AVAI	LABLE					

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

AN/GRC-224 FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS							
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR		
	N	O DATA AVAI	LABLE				

# **CHOOSE A VOLUME FOR MORE SYSTEMS**



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